Claim Amendments

What is claimed:

14. (amended) An electric motor comprising:

a first body;

least first and secondcircular arrangements having a common axis and magnetic field lines forming across a first gap from each magnetic component of the first arrangement to each magnetic component of the second arrangement; a board in the first gap being of a majority of nonmagnetic solid material, a majority of the magnetic field lines passing through the substantially nonmagnetic solid material across the first gap; at least one electrical circuit element located on the board in the first gap, the magnetic field lines passing through the electrical circuit element; and at least a first bearing securing the board to the first body to allow the electrical circuit element to rotate along the axis of the bearing relative to the first body, the electrical circuit element having at least first and second electrical paths, the first path having a section located in the gap and extending transverse to the magnetic field lines so that a current therein causes rotation thereof about the

a plurality of magnetic components secured to the first body and located in at

common axis, the second path having a section located in the gap and extending transverse to the magnetic field lines so that a current therein causes rotation thereof about the common axis.

- 15. (amended) The electric motor of claim 14 wherein the board and the electrical circuit element form a printed circuit board.
- 16. The electric motor of claim 14 wherein the magnetic components are permanent magnets.
- 17. The electric motor of claim 14 wherein the magnetic components are electromagnets.
- 18.(canceled)
- 19. (amended) An electric motor comprising:

a first body;

a plurality of magnetic components secured to the first body and located in first and second rows substantially parallel to each other and magnetic field lines forming across a first gap from each magnetic component of the first row to each magnetic component of the second row, a board in the first gap being of a majority of nonmagnetic solid material, a majority of the magnetic field lines passing through the substantially nonmagnetic solid material across the first gap;

at least one electrical circuit element located on the board in the first gap, the magnetic field lines passing through the electrical circuit element; and at least a first bearing securing the board to the first body to allow the electrical circuit element to move along an axis relative to the first body, the electrical circuit element having at least first and second electrical paths, the first path having a section located in the gap and extending transverse to the magnetic field lines so that a current therein causes translation thereof along the common axis, the second path having a section located in the gap and extending transverse to the magnetic field lines so that a current therein causes translation thereof along the common axis.

- 20. (amended) The electric motor of claim 19 wherein the the board and the electrical circuit element form a printed circuit board.
- 21. The electric motor of claim 19 wherein the magnetic components are permanent magnets.
- 22. The electric motor of claim 19 wherein the magnetic components are electromagnets.

23.(canceled)

Claim Amendments

What is claimed:	
<i>'</i>	Deleted: 113. (canceled)
•/	Deleted: new
14. (amended) An electric motor comprising:	Deleted: new
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a first body;	
a plurality of magnetic components secured to the first body and located in at	
	Deleted: two
least_first and secondcircular arrangements having a common axis and magnetic	Deleted:
field lines forming agrees a first can from each magnetic component of the first	
field lines forming across a <u>first</u> gap from each magnetic component of the first	Deleted: ,
arrangement to each magnetic component of the second arrangement;	
	Deleted: an area of the board
a board in the first gap being of a majority of nonmagnetic solid material, a	Deleted: having the
/	Deleted: substantially
majority of the magnetic field lines passing through the substantially	
nonmagnetic solid material across the first gap;	
	Deleted: each
at least one electrical circuit element located on the board in the first gap, the	
,	Deleted: being pierced by the
magnetic field lines passing through the electrical circuit element; and	magnetic field lines and having two faces substantially parallel to each
at least a first bearing cogning the board to the first bedy to allow the electrical	other and perpendicular to the axis Deleted: one
at least <u>a first</u> bearing securing the <u>board</u> to the first body to allow the electrical	Deleted: electrical circuit element
circuit element to rotate along the axis of the bearing relative to the first body, the	Deleted: ; and
The second to round ulong the unit of the second return to the mot souly	Deleted: ¶
electrical circuit element having at least first and second electrical paths, the first	Deleted: two
<u> </u>	Deleted: of each electrical circuit
path having a section located in the gap and extending transverse to the	element
magnetic field lines so that a current therein causes rotation thereof about the	

common axis, the second path having a section located in the gap and extending transverse to the magnetic field lines so that a current therein causes rotation

thereof about the common axis. Deleted: new The electric motor of claim 14 wherein the the board and the 15. (amended) Deleted: electrical circuit component electrical circuit element form a printed circuit board. Deleted: (new) 16. The electric motor of claim 14 wherein the magnetic components are permanent magnets. Deleted: (new) 17. The electric motor of claim 14 wherein the magnetic components are electromagnets. Deleted: (new) 18.(canceled) 19. (amended) Deleted: The electric motor of claim An electric motor comprising: 17 wherein the magnetic components are secured to the first body, the first a first body; body being secured to a force reflection device.¶ Deleted: new a plurality of magnetic components secured to the first body and located in first Deleted: at least two and second rows substantially parallel to each other and magnetic field lines forming across a <u>first</u> gap from each magnetic component of the first row to each magnetic component of the second row, a board in the first gap being of a Deleted: having the majority of nonmagnetic solid material, a majority of the magnetic field lines passing through the substantially nonmagnetic solid material across the first gap; Deleted: each at least one electrical circuit element located on the board in the first gap, the Deleted: being pierced by the magnetic field lines and having two faces substantially parallel to each magnetic field lines passing through the electrical circuit element; and other and perpendicular to the magnetic field lines

Deleted: one Deleted: electrical circuit element at least a first bearing securing the board to the first body to allow the electrical Deleted: ; and circuit element to move along an axis relative to the first body, the electrical Deleted: ¶ Deleted: two circuit element having at least first and second electrical paths, the first path Deleted: of each electrical circuit element having a section located in the gap and extending transverse to the magnetic **Deleted:** rotation Deleted: about field lines so that a current therein causes translation thereof along the common axis, the second path having a section located in the gap and extending **Deleted:** rotation transverse to the magnetic field lines so that a current therein causes translation Deleted: about thereof <u>along</u> the <u>common</u> axis. Deleted: new 20. (amended) The electric motor of claim 19 wherein the the board and the Deleted: electrical circuit component electrical circuit element form a printed circuit board. Deleted: (new) The electric motor of claim 19 wherein the magnetic components are permanent magnets. Deleted: (new) The electric motor of claim 19 wherein the magnetic components are electromagnets. Deleted: (new) Deleted: . The electric motor of 23 (canceled) claim 22 wherein the magnetic components are secured to the first body, the first body being secured to

a force reflection device. ¶